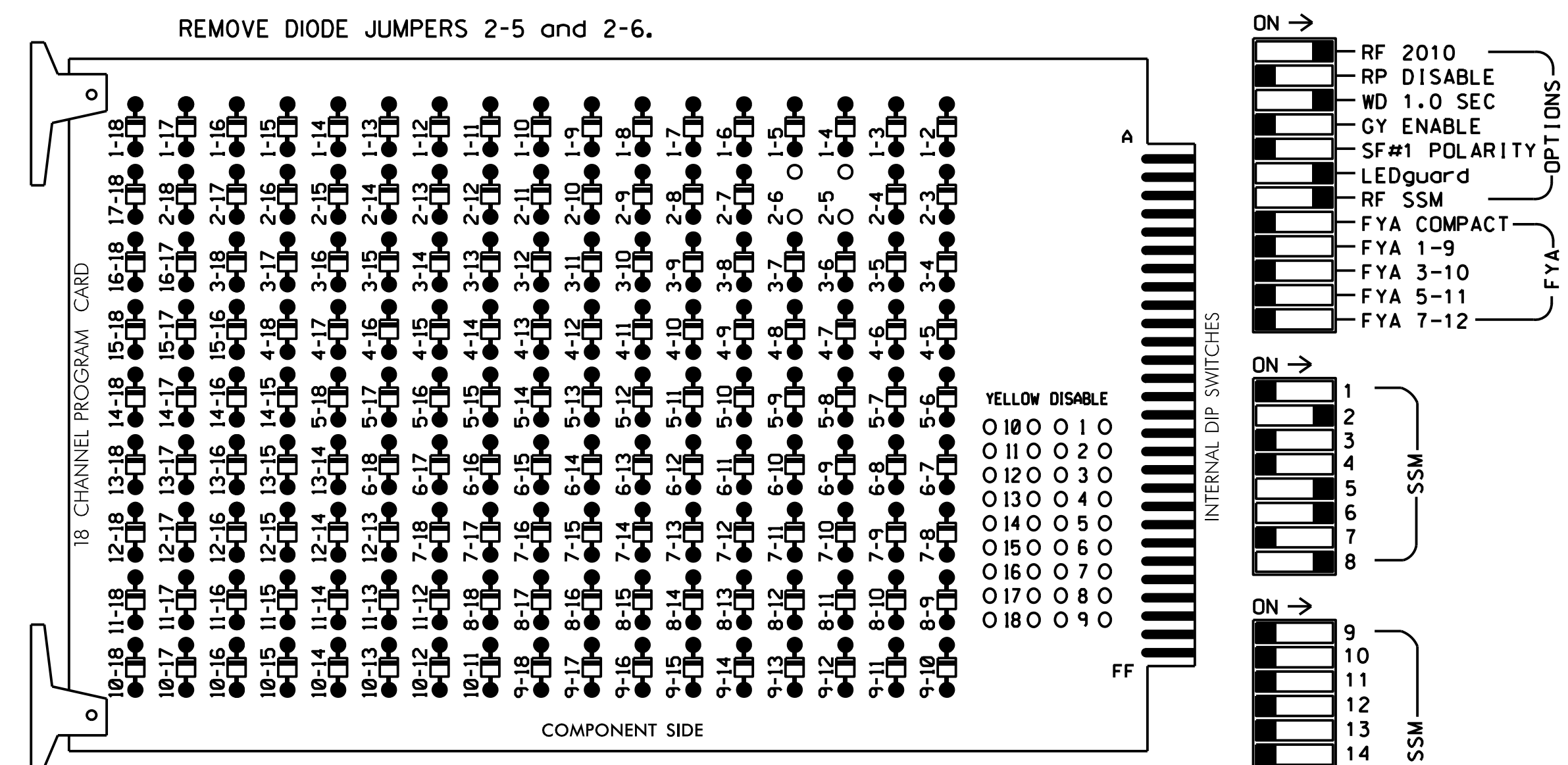


**EDI MODEL 2018ECLIP-NC CONFLICT MONITOR PROGRAMMING DETAIL**

(remove jumpers and set switches as shown)



**NOTES:**

1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that Red Enable is active at all times during normal operation.
4. Integrate monitor with Ethernet network in cabinet.

**NOTES**

1. To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
2. Program controller to start up in phase 2 Green and 6 Green.
3. The cabinet and controller are part of the Belmont Signal System.

**SIGNAL HEAD HOOK-UP CHART**

| LOAD SWITCH NO. | S1 | S2    | S3    | S4 | S5 | S6    | S7    | S8        | S9    | S10 | S11       | S12   | AUX S1 | AUX S2 | AUX S3 | AUX S4 | AUX S5 | AUX S6 |
|-----------------|----|-------|-------|----|----|-------|-------|-----------|-------|-----|-----------|-------|--------|--------|--------|--------|--------|--------|
| CMU CHANNEL NO. | 1  | 2     | 13    | 3  | 4  | 14    | 5     | 6         | 15    | 7   | 8         | 16    | 9      | 10     | 17     | 11     | 12     | 18     |
| PHASE           | 1  | 2     | 2 PED | 3  | 4  | 4 PED | 5     | 6         | 6 PED | 7   | 8         | 8 PED | OLA    | OLB    | SPARE  | OLC    | OLD    | SPARE  |
| SIGNAL HEAD NO. | NU | 21,22 | NU    | NU | NU | NU    | 51,52 | 61,62, 63 | NU    | NU  | 81,82, 83 | NU    | NU     | NU     | NU     | NU     | NU     | NU     |
| RED             |    | 128   |       |    |    |       |       | 134       |       |     | 107       |       |        |        |        |        |        |        |
| YELLOW          |    | 129   |       |    |    |       |       | 135       |       |     | 108       |       |        |        |        |        |        |        |
| GREEN           |    | 130   |       |    |    |       |       | 136       |       |     | 109       |       |        |        |        |        |        |        |
| RED ARROW       |    |       |       |    |    |       |       | 131       |       |     |           |       |        |        |        |        |        |        |
| YELLOW ARROW    |    |       |       |    |    |       |       | 132       |       |     |           |       |        |        |        |        |        |        |
| GREEN ARROW     |    |       |       |    |    |       |       | 133       |       |     |           |       |        |        |        |        |        |        |

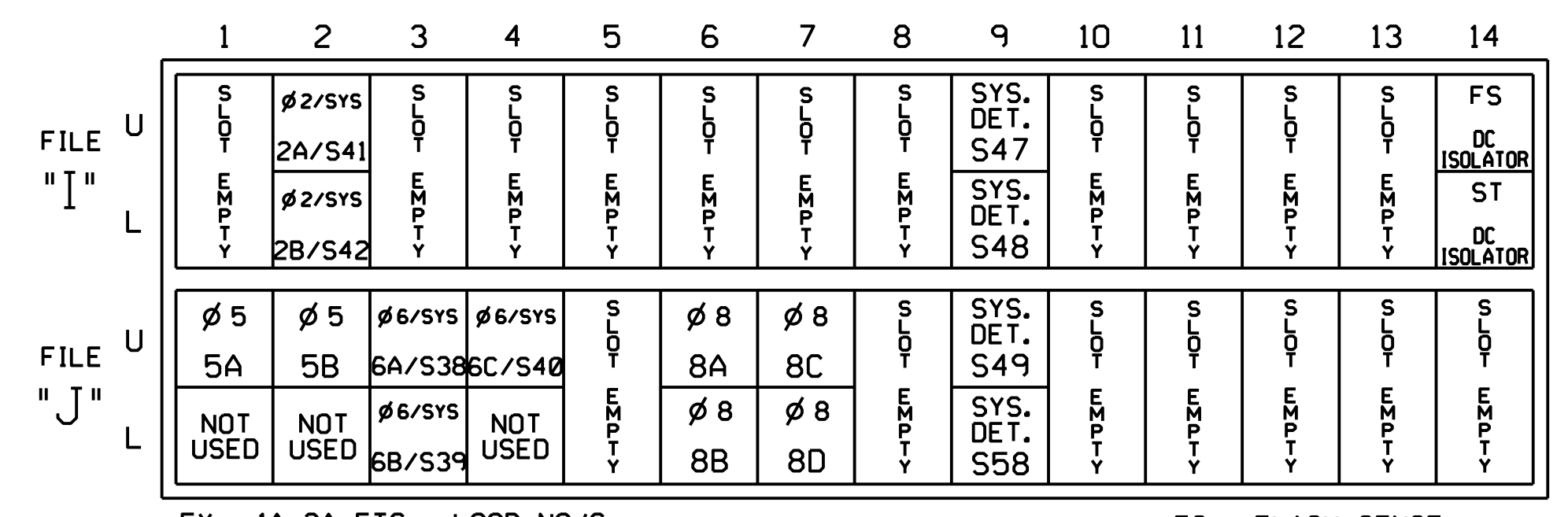
NU = Not Used

**EQUIPMENT INFORMATION**

CONTROLLER.....2070LX  
 CABINET.....332 W/ AUX  
 SOFTWARE.....ECONOLITE ASC/3-2070  
 CABINET MOUNT.....BASE  
 OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE  
 LOAD SWITCHES USED.....S2,S7,S8,S11  
 PHASES USED.....2,5,6,8  
 OVERLAPS.....NONE

**INPUT FILE POSITION LAYOUT**

(front view)



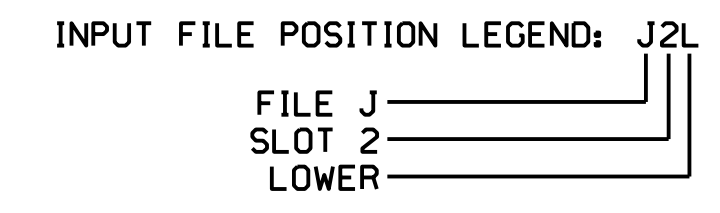
EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE  
 ST = STOP TIME

**INPUT FILE CONNECTION & PROGRAMMING CHART**

| LOOP NO. | LOOP TERMINAL | INPUT FILE POS. | PIN NO. | DETECTOR NO. | NEMA PHASE | CALL | EXTEND TIME | DELAY TIME | ADDED INITIAL | DETECTOR TYPE |
|----------|---------------|-----------------|---------|--------------|------------|------|-------------|------------|---------------|---------------|
| 2A/S41   | TB2-5,6       | I2U             | 39      | 2            | 2/SYS      | YES  |             |            | X             | N             |
| 2B/S42   | TB2-7,8       | I2L             | 43      | 12           | 2/SYS      | YES  |             |            | X             | N             |
| *S47     | TB6-9,10      | I9U             | 60      | 11           | SYS        | NO   |             |            |               | N             |
| *S48     | TB6-11,12     | I9L             | 62      | 13           | SYS        | NO   |             |            |               | N             |
| 5A       | TB3-1,2       | J1U             | 55      | 5            | 5          | YES  |             |            |               | S             |
| 5B       | TB3-5,6       | J2U             | 40      | 6            | 5          | YES  |             |            |               | S             |
| 6A/S38   | TB3-9,10      | J3U             | 64      | 36           | 6/SYS      | YES  |             |            | X             | N             |
| 6B/S39   | TB3-11,12     | J3L             | 77      | 46           | 6/SYS      | YES  |             |            | X             | N             |
| 6C/S40   | TB5-1,2       | J4U             | 48      | 26           | 6/SYS      | YES  |             |            | X             | N             |
| 8A       | TB5-9,10      | J6U             | 42      | 8            | 8          | YES  |             |            |               | S             |
| 8B       | TB5-11,12     | J6L             | 46      | 18           | 8          | YES  |             |            |               | S             |
| 8C       | TB7-1,2       | J7U             | 66      | 38           | 8          | YES  |             | 15         |               | S             |
| 8D       | TB7-3,4       | J7L             | 79      | 48           | 8          | YES  |             | 15         |               | S             |
| *S49     | TB7-9,10      | J9U             | 59      | 15           | SYS        | NO   |             |            |               | N             |
| *S58     | TB7-11,12     | J9L             | 61      | 17           | SYS        | NO   |             |            |               | N             |

\* System detector only. Remove any assigned vehicle phase.



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 12-0158  
 DESIGNED: October 2018  
 SEALED: February 7, 2019  
 REVISED: N/A

Vertical text on the left edge of the page.

Prepared in the Office of:

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Electrical Detail

Prepared For:

750 N. Greenfield Pkwy, Corner, NC 27529

NC 273 (Beatty Drive) at I-85 Southbound Ramps

Division 12 Gaston County Belmont

PLAN DATE: October 2018 REVIEWED BY:

PREPARED BY: J. Smith REVIEWED BY: E. Sirgany

| REVISIONS | INIT. | DATE |
|-----------|-------|------|
|           |       |      |

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

DocuSigned by: Edward W. Sirgany 2/7/2019

SIG. INVENTORY NO. 12-0158